

# **NCDOT Prioritization 3.0 Project Summary**

Mode: Highway **SPOT ID:** H141388 Status: Submitted

**NC-87** 

From/Cross Street: Wentworth Street/Sandy Cross

Road

To: **Project Category: Regional Impact** 

Length: 0.5 TIP#:

Fully Funded in Draft STIP?

Cost to NCDOT: \$775,000

Specific Improvement Type: 10 - Improve Intersection

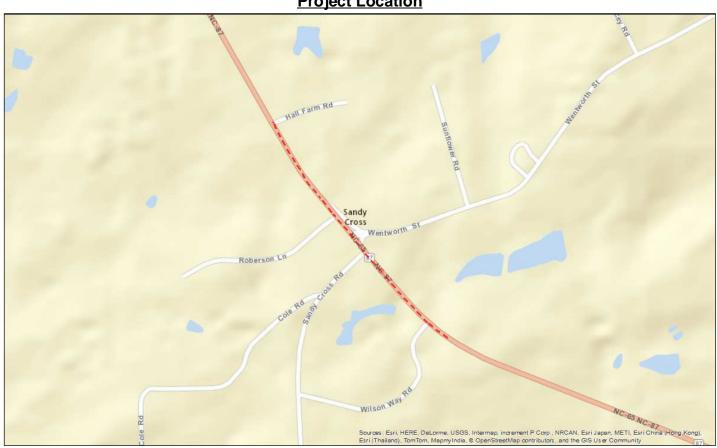
**Description:** 

Construct one lane roundabout and remove traffic signal

Division(s): Division 7 County(s): ROCKINGHAM

MPOS(s)/RPO(s): Piedmont Triad RPO

## **Project Location**



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Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

## **Regional Impact Total Score: 67.85**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) Congestion (V/C) (25%) [Travel Time] Benefit/Cost (25%) Accessibility / Connectivity (10%)  Totals: Weight: 70% Weighted Score	0.00 63.87 100.00 43.79	Percent: 15% Points: 100	Percent: 15% Points: 50

## **Division Needs Total Score: 32.77**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%)  Totals: Weight: 50% Weighted Score	63.87 0.00 100.00 e: <b>32.77</b>	Percent: 25% Points: 0	Percent: 25% Points: 0

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## Project Data \*

### **Existing Conditions**

#### **Existing Cross-Section:** Speed Limit: 45 0.5 Length (miles); Arterial Facility Type: None Access Control: Functional Classification: Major Collector Terrain Type: Rolling Lane Width: 12 Paved Shoulder Width: 0 Roadway has Curb & Gutter? No Volume (AADT): 27787 Capacity: 31600 Volume/Capacity Ratio: 0.88 % Autos: 94% % Trucks: 6% 1771.42 Truck Volume: 0 Crash Density: 0 Crash Severity: 0 Critical Crash Rate: Crash Frequency: 0 Severity Index: 0 County Tier Designation: Non-Interstate STRAHNET No Route? Average Commuting Time: 28 Existing Median Type (for Undivided Cost Estimation): Pavement Condition Rating: 88 44 **Actual Congested Speed:** Travel Time Index: 1.02

### **Project Benefits**

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3639000
Travel Time Savings for 30 Years (Autos):	3407014.27
Travel Time Savings for 30 Years (Trucks):	231985.73
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Piedmont Triad RPO

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<sup>\*</sup> Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

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# **Project Ownership**

### **Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

### MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	50	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		50	0

# **Project Cost and Source**

Construction Cost:	\$625,000	Cost Estimation Tool
Right-of-Way Cost:	\$150,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$775,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$775,000	

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